

SAMARTH EDUCATIONAL TRUST'S
SAWKAR HOMOEOPATHIC MEDICAL COLLEGE , SATARA
I ST BHMS Advanced Academic Planner

According to NCH

(2025-2026) Batch

Unit Test-1	05-01-2026 to 10-01-26
Unit Test-2	08-06-26 to 13-06-26
Unit Test-3	23-11-26 to 28-11-26
Terminal Exam-1 (Theory+Practical)	23-03-26 to 28-03-26
Terminal Exam-2 (Theory+Practical)	07-9-26 to 12-9-26
Preliminary Exams (Theory+Practical)	24-01-27 to 31-01-27
University Exam	2nd week of Feb to March 27
Tutorials one per month	It is to be conducted between 15th to 25th of each month
Interdepartmental Seminar	6 Seminar (Anatomy+Physiology), 3 Seminar (Anatomy+Surgery)
Extradepartmental Activity:- Quiz ,Journal Club,Preparation of PPT ,Formation of Model,	One activity per Term

R. D. D.



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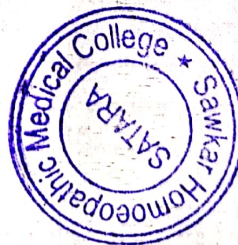
Theory

Month	Dr. Amondikar	Dr. Tanksale	Dr. Kadam
Nov 25	Address and foundation course Introduction- Body fluids and immune mechanism	Address and foundation course Introduction- Nerve Muscle physiology.	Address and foundation course Introduction to cellular Physiology – cell structure and functions
Dec 25	Haematology – Red blood cells, Hb, Anaemia, jaundice, ESR, PCV	Nerve muscle physiology- Neuron and neuroglia, classification of properties neurone, degeneration and regeneration.	Cell division , cell junctions Transport across cell membrane, body fluid compartments,
Jan 26	Haematology – WBC, immunity,	Nerve muscle physiology- NM junction, Mechanism of transmission	homoeostasis Biophysics- Diffusion, osmosis
Feb 26	platelets, Coagulation, blood groups	Structure of skeletal muscle and properties	filtration, ultrafiltration Adsorption, Hydrotrophy
March 26	Blood volume, Blood transfusion RE system, tissue macrophages	Structure of cardiac muscle and properties, Structure of Smooth muscle and properties. Applied, EMG	Tissue- Structure, Function and Types. Skin & Integumentary system
April 26	Cardiovascular system introduction CVS-Structure and properties of cardiac muscle, Cardiac cycle	Central nervous system- introduction, neuron and neuroglia CNS synapses- classification , properties, transmission	Endocrine system - introduction HP axis, Pituitary gland(Ant) Post Pituitary, Thyroid Gland, Parathyroid gland. Endocrine part of pancreas..
May 26 /June 26	Heart sounds, conducting system.	CNS – Neurotransmitters, receptors- classification, properties, Reflexes- classification, properties	Regulation of blood glucose. Diabetes Mellitus Adrenal cortex, Adrenal medulla, local hormones, Endocrine functions of other organs
July 26	ECG-normal and abnormal recording, Cardiac output- factors affecting, regulation	CNS – sensations , pain pathway, spinal cord- structure , functions, different tracts, section of spinal cord	Respiratory System- introduction Respiratory movements, Ventilation



August 26	Heart rate , Blood pressure factors affecting and regulation.	Brain stem- structure and functions, vestibular apparatus, cerebrum, diencephalon	transport of gases, exchange of resp. gases Regulation of respiration,
Sept 26	Radial pulse, Regional circulation	CNS – cerebellum, higher intellectual functions, EEG, CSF	Disturbance in resp, ANS High altitude and deep sea physiology, artificial respiration
Oct 26	Reproductive system-Male reproductive system Female Reproductive system	Digestive system- Intro. Salivary glands, stomach- Functional Anatomy, Histology, Functions, Applied Physiology. Composition and function of digestive juices.,	Special senses – olfaction, taste, vision Special senses – vision, hearing.
Nov 26	Pregnancy, parturition, Infertility Placenta, Pregnancy tests Fertility control, Mammary Gland and lactation.	Pancreas, Liver, gall Bladder – Functional Anatomy, Histology, Functions, Applied Physiology.	Enzymes, Vitamins, Diet and Nutrition. Biochemistry-chemistry and metabolism of proteins
Dec 26	Excretory System- Intro, Nephron, JG apparatus.	Small Intestine, Large intestine, movements of GI tract,	Biochemistry-chemistry and metabolism of Carbohydrates.
Jan 27	RFT, Renal failure, Micturition, dialysis	GI hormones, Metabolism of Carbohydrates, fats and proteins.	Biochemistry-chemistry and metabolism of Fats.

AOA
Head of the Dept./Professor/Reader/Lecturer
Department of Physiology including Biochemistry
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SET's SAWKAR HOMOEOPATHIC MEDICAL COLLEGE, SATARA

Dept. of Human Physiology & Biochemistry

Academic Teaching programme 2024-2025 (appearing in April.26) - Practical

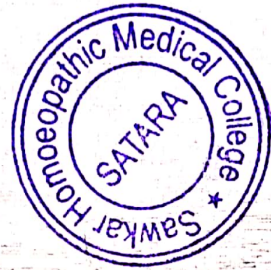
Month	Dr. Kadam	Dr. Tanksale
Nov 25	Address and foundation course Introduction to Clinical Examination	Address and foundation course Introduction to Haematology.
Dec 25	Clinical examination general aspect, history taking	Introduction to haematological practicals Compound microscope Collection of blood sample Hb % estimation
Jan 26	Clinical general examination, examination of pulse ,B.P., temperature	ESR PCV Blood indices BT and CT
Feb 26	Systemic examination Examination of muscles and joints Examination of CVS , ECG recording, OPD	Blood groups, Haemocytometry RBC count
March 26	Examination of Respiratory system, OPD Clinical exam of NS- cranial nerves Clinical exam of sensory system	Total WBC count Differential count Absolute eosinophil count
	Dr.Amondikar	Dr. Tanksale
April 26	Examination of RS- spirometry , stethography, OPD	Higher Intellectual functions Clinical exam of motor system I
May and June 26	Clinical examination of nervous system- introduction, history taking, OPD	Clinical exam of motor system II Posture, gait, reflexes
July26	Clinical examination of nervous system – higher functions ,OPD	Exam of special senses – olfaction Exam of taste
Aug 26	Uses of instruments and equipments. OPD	Examination of eye- vision Visual acuity , visual reflexes
Sept 26	Qualitative analysis of proteins - colour reactions and ppt. reactions	Reproductive system-diagnosis of pregnancy, OPD
	Dr.Amondikar	Dr. Kadam
Oct 26	Qualitative analysis of carbohydrates – mono, di and polysaccharides	Clinical examination of GIT, OPD
Nov 26	Qualitative analysis of fats.	Clinical examination of GIT, OPD



	Normal constituents of urine	
Dec 26	Abnormal constituents of urine Urine report	clinical physiology OPD Hours
Jan 27	Quantitative estimation of glucose, total proteins, uric acid in blood	Organ function tests Interpretation and discussion of results of biochemical tests

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